## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS    | ID NO. | DATE    |  |  |  |
|---------------------------|-------------|--------|---------|--|--|--|
| FEE DETERMINATION         | ()4,        |        | iah3/EV |  |  |  |
| O.I.P.E. CLASSIFIER       | Pa          | 21     | 10110   |  |  |  |
| FORMALITY REVIEW          | NE          | 70355  | 103002  |  |  |  |
| RESPONSE FORMALITY REVIEW | <del></del> | 30.55  | 1000-   |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|       | ÷          |             |          |          |          |          |  | Restricted 0 |              |  |  |     |                 |          |          | Objected |   |  |          |  |  |          |          |          |   |          |            |                 |           |   |
|-------|------------|-------------|----------|----------|----------|----------|--|--------------|--------------|--|--|-----|-----------------|----------|----------|----------|---|--|----------|--|--|----------|----------|----------|---|----------|------------|-----------------|-----------|---|
| Cla   | im         |             |          | _        |          | Da       | te   |              |              |  |  | ]   | Cla             | aim      |          | _        | _ |  | Da       | ite  |  |          |          |          | ] | Cla      | im         |                 |           |   |
| Final | Original   | 300         |          |          |          |          |  |              |              |  |  |     | Final           | Original |          |          |   |  |          |  |  |          |          |          |   | Final    | Original   |                 |           |   |
| _     | U          | W.          |          |          | T        |          |  |              |              |  |  |     |                 | 51       |          |          |   |  |          |  |  |          |          |          | 1 | Ē        | 101        |                 |           |   |
|       | 2          | V           |          |          |          | L        | L  |              |              | L                                      |  |     | ╙               | 52       |          |          |   | L  | L        |  | _  | L        | L        |          |   |          | 102        |                 |           |   |
| L     |            | Y,          | L        |          | L        | L        | <u> </u>   | L            | $\downarrow$ | L                                      | 1_   | 1   |                 | 53       |          |          | L | L  |          | ╙  | $oxed{oldsymbol{oldsymbol{oldsymbol{eta}}}}$ | $\perp$  | L        | _        | ļ |          | 103        | Ш               | Ш         | L |
| -     | 5          | W,          | <u> </u> | -        | ├        | $\vdash$ | ╀  | ╀            | +            | ╀                                      | -  | -   |                 | 54<br>55 |          |          | _ | H  | -        | -  |  | <u> </u> | -        | -        | ł | $\vdash$ | 104<br>105 |                 | Н         | H |
| ÷     | 6          | V           | ┝        | -        | ╁        | ┝        | ╁  | ╁            | +            | ╁                                      | ╁  | ┨.  | -               | 56       | -        | _        | _ | $\vdash$   | -        | ╁  | ┼-   | ├        | ├-       | -        | 1 | $\vdash$ | 106        | $\vdash$        | $\vdash$  |   |
| -     | 3          | الا         | -        |          | Ι-       | 1        | +-   |              | $\dagger$    | t                                      | ╁  | 1   | H               | 57       | $\neg$   |          | H | ┢  | H        | 1  | $\vdash$                                     | H        | H        |          | 1 |          | 107        | П               |           | - |
|       | 8          | 7           | Ė        | ┢        | T        | T        | T  | T            | T            | T                                      | $\vdash$   | 1   |                 | 58       |          |          |   | Г  | ╁┈       | <del>                                     </del> | 1  | $\vdash$ | ┢        | <u> </u> |   | H        | 108        |                 | П         |   |
| ,     | . 9        | X           |          |          |          |          |  | Γ            |              |  | L  |     |                 | 59       |          | _        |   |  |          |  | T  |          |          |          |   |          | 109        |                 |           |   |
|       | 10         | X           |          |          | L        | L        | L  |              |              | L                                      |  | ]   | _               | 60       |          |          |   |  |          | L  | L  |          |          |          |   |          | 110        |                 |           |   |
|       | 11         | <b>[</b> 4] | _        | L        |          | ┖        | ╙  | L            | ╀            | ┺                                      | <u> </u>   | 1   | ㄴ               | 61       | _        | _        |   |  | <u> </u> | ┖  | <u> </u>                                     | <u> </u> | _        | _        |   | -        | 111        |                 |           | Ŀ |
| 1.5   | 2(3)       | M           | <u> </u> | -        | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     | +                                      | $\vdash$   | -   | $\vdash$        | 62<br>63 | $\dashv$ | _        | _ | $\vdash$   | $\vdash$ | $\vdash$   | _  |          | _        | -        | ļ |          | 112        | $\vdash \dashv$ | $\dashv$  | L |
| ۲     | 14         | X           | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | +            | +            | +                                      | $\vdash$   | 1   | $\vdash$        | 64       | -        | $\dashv$ | _ | $\vdash$   | ├        | $\vdash$   | +  |          |          |          | 1 | _        | 113<br>114 | $\vdash$        | $\dashv$  |   |
| -     | 15         | Ż           | <u> </u> | $\vdash$ | ⊢        | ⊢        | ┝  | ╁            | ╁            | +                                      | $\vdash$   | 1   | ├               | 65       | $\dashv$ | -        | - | -  | ┢╾       | ┢  | ├  | ┢        | -        | -        |   |          | 115        | $\vdash$        | $\dashv$  |   |
| Ž     | 16         | y           | Ι-       |          | $\vdash$ | $\vdash$ | H  | H            | +            | +                                      | $\vdash$   | 1   | <u> </u>        | 66       | -+       | -        |   | <del>                                     </del> | $\vdash$ | $\vdash$   | -  | ╁        | $\vdash$ | $\vdash$ | 1 | -        | 116        | $\vdash$        | -         |   |
| -     | 17         | V           | -        |          | _        | -        |  | $\vdash$     | T            | 1                                      | <del>                                     </del> | 1   |                 | 67       |          |          |   |  |          | t  |  | -        | -        | -        |   | -        | 117        |                 | $\exists$ |   |
|       | 18         | V           |          |          |          | Π        |  | Γ            |              |  |  |     |                 | 68       |          |          |   |  |          |  |  |          |          |          | 1 |          | 118        |                 |           | - |
|       | 19         | V           |          |          |          | Ì        |  |              |              |  |  |     |                 | 69       |          |          |   |  |          |  |  |          |          |          | ] |          | 119        |                 |           |   |
| ٠     | 20         | V           |          |          |          |          |  |              |              |  |  |     |                 | 70       |          |          |   |  |          |  |  |          |          |          |   |          | 120        |                 |           |   |
|       | 21         | Y           | _        |          | L        |          |  |              |              | L                                      | L  |     |                 | 71       |          |          |   | _  |          |  |  |          |          |          |   |          | 121        | $\square$       |           |   |
|       | 22         | Y,          | _        |          | <u> </u> | _        | L  | L            | L            | L                                      | L  | ļ   |                 | 72       |          | _        |   | <u> </u>   | _        | <u> </u>   | <u> </u>                                     |          | _        |          |   |          | 122        | $\square$       |           | _ |
| _     | 23         | Y,          | ,        | ,        | -        |          |  | ┡            | $\vdash$     | <u> </u>                               | ऻ  | ļ   | _               | 73<br>74 |          | _        |   | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>                                     | _        |          | <u> </u> | ĺ |          | 123        |                 | _         | - |
|       | 24         | J.          | _        | tally.   | 1_       | - 14     | $\vdash$   | ┢            | +-           | <del> </del>                           | ├  | l   | $\vdash$        | 75       | $\dashv$ | -        | _ | -  | -        | -  | -  |          |          |          |   | -        | 124<br>125 | $\dashv$        | $\dashv$  | _ |
|       | 25<br>26   | Y           |          | ***      |          | .52      | H  | ⊢            | ╁            | ╁                                      | ╁  |     | $\vdash$        | 76       | -+       |          | - | -  | -        | -  | ┢  |          |          |          |   |          | 126        | -               | $\dashv$  |   |
|       | 27         | ď           | _        | -        |          | $\vdash$ | ╁  | $\vdash$     | +            | H                                      | $\vdash$   |     | H               | 77       | $\dashv$ | -        | - | -  | $\vdash$ | -  | -  | -        |          |          |   |          | 127        | $\dashv$        | $\dashv$  | _ |
|       | 28         | Ż           |          | -        | ┢        |          | H  | ┢            | ╁            | H                                      | $\vdash$   |     | Н               | 78       |          |          | _ | -  | 1        | -  | ┢  |          |          |          |   |          | 128        | $\neg$          | ᅥ         | _ |
|       | 29         | V           |          |          | Т        | Г        | Г  | T            | T            | T                                      |  | 1   |                 | 79       | $\dashv$ |          | _ |  | -        |  | <u> </u>                                     |          |          |          |   |          | 129        | T               |           |   |
|       | 30         | Y           | ,        |          |          |          |  |              |              |  |  |     |                 | 80       |          |          |   |  |          |  |  |          |          |          |   |          | 130        |                 |           |   |
|       | 31         | V           |          |          |          |          |  | L            | L            |  |  |     |                 | 81       |          |          |   |  |          |  |  |          |          |          |   |          | 131        |                 | $\Box$    |   |
| _     | 32         | Y           |          |          | _        | L        | <u>L</u>   | <u> </u>     | L            | L                                      | _  |     |                 | 82       | _        | _        |   |  |          | <u>L</u>   | <u> </u>                                     |          |          |          |   |          | 132        | $\dashv$        |           | _ |
|       | 33         | <           |          | _        | _        |          | L  | L            | ┞-           | -                                      | <u> </u>   |     |                 | 83       |          | _        |   |  | _        | _  | <del> </del>                                 | _        |          |          |   | -        | 133        |                 |           |   |
|       | 34<br>35   | Y           |          | -        | -        | -        | $\vdash$   | ├-           | ╀            | +                                      | -  |     | $\vdash \vdash$ | 84<br>85 |          | $\dashv$ | _ | _  | -        | _  | $\vdash$                                     | H        | $\vdash$ |          |   | Щ        | 134<br>135 |                 | -         | _ |
|       | 36         | Y           | _        |          | ├-       | -        | -  | ╁            | +            | +                                      | -  |     | Н               | 86       | $\dashv$ | $\dashv$ |   |  |          | $\vdash$   | $\vdash$                                     |          | -        |          |   |          | 136        | $\dashv$        | -         |   |
|       | <b>6</b> 7 | y           |          |          | -        | -        | <del>                                     </del> | $\vdash$     | +            | +                                      | -  |     | Н               | 87       | $\dashv$ | -        | _ |  |          | $\vdash$   | $\vdash$                                     | $\vdash$ |          |          |   | <b>├</b> | 137        | $\dashv$        | $\dashv$  |   |
|       | 38         | y           |          |          |          |          | $\vdash$   | T            |              | T                                      |  |     |                 | 88       | $\top$   |          |   | -  |          |  |  |          |          |          |   |          | 138        | _               | $\dashv$  | _ |
|       |            | V           |          |          |          |          |  | Γ            | Ι            | Ι                                      |  |     |                 | 89       |          |          |   |  |          |  |  |          |          |          |   |          | 139        |                 |           |   |
|       | 40         | V           |          |          |          |          |  | Γ            | Γ            |  |  | ] ; |                 | 90       |          |          |   |  |          |  |  |          |          |          |   |          | 140        |                 |           |   |
|       | 41         |             |          |          |          |          |  |              | Γ            |  |  | ] , |                 | 91       |          |          |   |  |          |  |  |          |          |          |   |          | 141        |                 |           |   |
|       | 42         | $V_{i}$     |          |          |          |          |  |              |              |  |  |     |                 | 92       | $\Box$   | ╛        |   |  |          | Ĺ  |  |          |          |          |   |          | 142        |                 |           | _ |
|       | 43         | V           |          |          | <u> </u> |          | L  | _            | $\perp$      | 1_                                     | L  |     | Ш               | 93       | $\perp$  | _        |   | _  | _        | _  | _  |          |          |          |   |          | 143        | $\perp$         | 4         |   |
|       | 44         | V,          |          |          | <u> </u> | _        | $\vdash$   | <u> </u>     | L            | ــــــــــــــــــــــــــــــــــــــ | <u> </u>   |     |                 | 94       | 4        | _        |   | _  | L        | _  |  |          |          |          |   |          | 144        | $\dashv$        |           |   |
|       | 45<br>46   | Y)          |          | _        | -        |          | -  | -            | ╀            |  | -  |     | $\vdash \vdash$ | 95       | $\dashv$ | -        |   |  | H        | <u> </u>   | -  |          |          |          |   |          | 145<br>146 | $\dashv$        | -         | _ |
| ~     | 46         | Y           | _        |          | -        | -        | -  | $\vdash$     | $\vdash$     | $\vdash$                               | -  |     |                 | 96<br>97 | $\dashv$ |          | _ | -  | -        | -  |  | H        | _        |          |   |          | 146<br>147 | $\dashv$        | $\dashv$  |   |
|       | 47         | K           |          | _        | +-       | $\vdash$ | -  | +-           | +            | ╁                                      | -  | 1   | -               | 98       | +        |          |   | $\vdash$   | -        | -  | -  | -        | $\vdash$ | -        |   |          | 148        | +               | $\dashv$  |   |
|       | 49         | ¥           | -        | -        | -        | $\vdash$ | $\vdash$   | +            | +            | +                                      | +  | 1   | $\vdash$        | 99       | $\dashv$ | -        | _ | -  | -        | -  | <del> </del>                                 | $\vdash$ |          |          |   |          | 149        | $\dashv$        | $\dashv$  | _ |
| ·     | 50         |             | _        | <u> </u> | +        | $t^-$    | +  | t            | +            | $^{+}$                                 | +  | 1   | $\vdash$        | 100      | +        | 1        | _ | -  | $\vdash$ | $\vdash$   | T  |          |          |          |   |          | 150        |                 |           | _ |

| Cla          | aim      |   |          |          |                | Da       | ite            |              |          |          |
|--------------|----------|---|----------|----------|----------------|----------|----------------|--------------|----------|----------|
|              | =        |   |          |          |                | Г        |                | Γ            | Π        | Γ        |
| <del>-</del> | Original |   |          |          |                |          |                |              | l        | 1        |
| Final        | č        |   |          |          |                |          |                |              |          |          |
| =            | 101      |   |          | 1        | t              | $\vdash$ | $\vdash$       | -            | 1-       | t        |
| _            | 102      | _ | ├        | ├        | -              | ┼-       | -              | ⊢            | $\vdash$ | ╁╌       |
|              | -        |   |          | ┢        | -              | ⊢        | ⊢              | ├-           | ┿        | ⊢        |
|              | 103      |   | ┝        | ⊢        | <del> </del> _ | ⊢        | <del> </del> − | ↓_           | ┡        | ┞        |
| _            | 104      |   |          | -        | ⊢              | ├-       | ╀              | ⊢            | ├-       | -        |
|              | 105      | _ | ├_       | ₩        | ┝              | ├-       | ┡              | ├-           | -        | -        |
|              | 106      |   |          | _        | <b> </b> -     | <b>├</b> | 1              | <u> </u>     | ╙        | ┡        |
|              | 107      |   | _        | _        | _              | <u> </u> | <u> </u>       | ļ            | ļ        | L        |
|              | 108      | _ |          | _        |                | L        | L              | <u> </u>     | _        | L        |
|              | 109      |   | L        | <u> </u> |                | 乚        | L              | _            |          | L        |
|              | 110      |   | L        |          | <u> </u>       | <u></u>  |                | <u> </u>     |          |          |
|              | 111      | _ |          |          |                |          |                |              |          | L        |
|              | 112      |   |          |          |                |          |                |              | Γ        | Γ        |
|              | 113      |   |          |          |                |          | Г              |              |          | Γ        |
|              | 114      |   | Г        |          |                | Π        | Π              | Γ            | Γ        |          |
| $\exists$    | 115      | _ | Г        |          | Г              | Т        | 1              | T            | Τ_       | _        |
| $\neg$       | 116      | _ | Ι-       | _        | -              | ├~       | <u>├</u>       | 1            | 1        | Н        |
| _            | 117      |   | $\vdash$ |          | $\vdash$       | 一        | ┢              |              | -        | $\vdash$ |
| -            | 118      |   | ┝╾       |          | <del> </del>   | ╁╾       | +-             |              | -        | -        |
| $\dashv$     | 119      |   |          | -        | -              | ╌        | $\vdash$       |              | ├┈       | -        |
| $\dashv$     | _        |   | ⊢        | ⊢        |                | ┢        | -              | -            |          | ⊢        |
| 4            | 120      | _ | <u> </u> | <u> </u> | <u> </u>       | L        |                | ļ            | ļ        | L        |
| _            | 121      | _ | L        | ļ        |                | L.       | ┞-             | ļ_           | <u> </u> | _        |
|              | 122      |   |          | ļ        |                |          | ـــا           | L            | <u> </u> | _        |
|              | 123      |   | L.       |          | <u> </u>       | _        | ┖              | <u>_</u>     | <u> </u> | L        |
| _            | 124      | _ |          |          | _              | L        |                | _            |          |          |
|              | 125      |   |          |          |                |          | _              | _            |          | L_       |
| -            | 126      |   |          |          | l              |          |                |              |          |          |
|              | 127      |   |          |          |                |          |                |              |          | Γ        |
|              | 128      |   |          |          |                |          |                |              |          |          |
|              | 129      |   |          |          |                |          |                |              |          | Г        |
|              | 130      |   |          | Г        |                |          | Г              |              |          | <u> </u> |
| 7            | 131      | _ |          | $\vdash$ |                | $\vdash$ | Т              | _            | -        | -        |
|              | 132      | _ | $\vdash$ | $\vdash$ | -              | -        | -              | -            | ┢        | ┢        |
| _            | 133      | _ | -        | $\vdash$ | -              |          | -              | -            | -        | -        |
|              | 134      |   |          | -        |                |          | $\vdash$       | -            | -        | -        |
|              | 135      | - |          | -        | -              | -        | -              | -            |          | -        |
|              | 136      |   | <u> </u> | -        |                | -        | -              |              | -        | -        |
|              | 137      |   | -        | -        | $\vdash$       | $\vdash$ | $\vdash$       | <del> </del> |          | $\vdash$ |
| _            |          |   |          | <u> </u> |                | -        | -              |              |          | ├-       |
| _            | 38       | _ |          | H        |                |          | -              | _            | -        | -        |
| -            | 139      |   | _        | _        | _              | _        | _              | _            | L.,      | <u> </u> |
|              | 140      |   |          |          |                |          |                | _            |          | _        |
| 1            | 141      |   |          |          |                |          | _              |              |          |          |
|              | 142      |   |          |          |                |          |                |              |          |          |
|              | 143      |   |          |          |                |          |                |              |          |          |
|              | 144      |   |          |          |                |          |                |              |          |          |
| _            | 145      |   |          |          |                |          |                |              |          |          |
| 7            | 146      |   |          |          |                |          |                |              |          | _        |
|              | 147      |   |          |          |                |          | _              |              |          |          |
|              | 148      |   |          | П        |                |          |                | $\vdash$     | H        |          |
| -            | 149      | _ |          | -        | _              | _        | Н              |              | -        | -        |
|              | 150      | - |          |          |                | _        | -              | -            | -        | -        |

If more than 150 claims or 10 actions staple additional sheet here

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